1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Extend Rust Treatment
Product type: Loctite SHARED FIELD (US/Canada/EU)
Company address: Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Item No.: 75448
Region: United States
Contact Information:
Telephone: 860.571.5100
Emergency telephone: 860.571.5100
Internet: www.loctite.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>%</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barium sulfate 7727-43-7</td>
<td>5-10</td>
<td>0.5 mg/m³ TWA</td>
<td>0.5 mg/m³ TWA</td>
</tr>
<tr>
<td>Propylene glycol 57-55-6</td>
<td>1-5</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>2-Butoxyethanol 111-76-2</td>
<td>1-5</td>
<td>20 ppm TWA</td>
<td>240 mg/m³ TWA</td>
</tr>
<tr>
<td>Organic acid 1401-55-4</td>
<td>1-5</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Silica, amorphous, fumed, crystalline-free 112945-52-5</td>
<td>1-5</td>
<td>6 mg/m³ TWA</td>
<td>10 mg/m³ TWA</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:
- HEALTH: 1*
- FLAMMABILITY: 1
- PHYSICAL HAZARD: 0
- Personal Protection: See Section 8

CAUTION: CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION

Relevant routes of exposure: Skin, inhalation, eyes

Potential Health Effects:
- Inhalation: Mild respiratory tract irritation.
- Skin contact: Irritating to skin. Contact with eyes will cause irritation.
- Ingestion: Gastric disturbances. Not expected under normal conditions of use.

Existing conditions aggravated by exposure: Not available

Item No.: 75448
See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If discomfort persists seek medical attention.
Skin contact: Immediately flush skin with plenty of water (using soap, if available). If symptoms persist, obtain medical attention.
Eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Ingestion: Keep individual calm. Do not induce vomiting. Obtain medical attention.

5. FIRE-FIGHTING MEASURES

Flash point: Does not flash.
Autoignition temperature: Not applicable
Flammable/Explosive limits—lower %: Not applicable
Flammable/Explosive limits—upper %: Not applicable
Extinguishing media: The product itself does not burn.
Special fire fighting procedures: Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.
Unusual fire or explosion hazards: None
Hazardous combustion products: Oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions: Do not allow material to contaminate ground water system.
Clean-up methods: Wipe up with absorbent material (e.g. cloth, fleece).

7. HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes. Do not wear contact lenses. Wash thoroughly after handling. Keep out of the reach of children.
Storage: Keep container closed. Store in original container until ready to use.
Incompatible products: Not applicable

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls: Not normally needed.
Respiratory protection: Not normally required.
Skin protection: Disposable rubber or plastic gloves.
Eye/face protection: Chemical splash goggles or safety glasses with side shields.
Item No.: 75448

Product name: Extend Rust Treatment

2 of 5
See Section 2 for exposure limits.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Physical state:</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color:</td>
<td>Milky</td>
</tr>
<tr>
<td>Odor:</td>
<td>Mild</td>
</tr>
<tr>
<td>Vapor pressure:</td>
<td>24 mmHg at 20 °C (68 °F)</td>
</tr>
<tr>
<td>pH:</td>
<td>1.95</td>
</tr>
<tr>
<td>Boiling point/range:</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting point/range:</td>
<td>Not available</td>
</tr>
<tr>
<td>Specific gravity:</td>
<td>1.202</td>
</tr>
<tr>
<td>Vapor density:</td>
<td>1.2</td>
</tr>
<tr>
<td>Evaporation rate:</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility in water:</td>
<td>Completely miscible</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water):</td>
<td>Not available</td>
</tr>
<tr>
<td>VOC content:</td>
<td>110 grams/liter of coating</td>
</tr>
</tbody>
</table>

### 10. STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Stability:</th>
<th>Stable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazardous polymerization:</td>
<td>Will not occur</td>
</tr>
<tr>
<td>Hazardous decomposition products:</td>
<td>None</td>
</tr>
<tr>
<td>Incompatability:</td>
<td>None known</td>
</tr>
<tr>
<td>Conditions to avoid:</td>
<td>None known</td>
</tr>
</tbody>
</table>

### 11. TOXICOLOGICAL INFORMATION

| Product toxicity data: | Acute LD50 (oral): Greater than 5000 (rat), estimated. Acute dermal LD50 greater than 2000 mg/kg (rabbit), estimated. |

#### Carcinogen Status

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>NTP Carcinogen</th>
<th>IARC Carcinogen</th>
<th>OSHA Carcinogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barium sulfate</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Propylene glycol</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Organic acid</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Silica, amorphous, fumed, crystalline-free 112945-52-5</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

#### Literature Referenced Target Organ & Other Health Effects

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>Health Effects/Target Organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barium sulfate</td>
<td>Lung</td>
</tr>
<tr>
<td>Propylene glycol</td>
<td>Irritant</td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>Blood, Central nervous system, Irritant, Kidney, Liver</td>
</tr>
<tr>
<td>Organic acid</td>
<td>Blood, Corrosive, Irritant, Kidney, Liver</td>
</tr>
<tr>
<td>Silica, amorphous, fumed, crystalline-free 112945-52-5</td>
<td>Nuisance dust</td>
</tr>
</tbody>
</table>

Item No.: 75448

Product name: Extend Rust Treatment
12. ECOLOGICAL INFORMATION

Ecological information: No specific studies have been conducted by Henkel on the ecotoxicity or environmental fate of this material; however, commonly available data on the material indicate that uncontrolled releases to soil, groundwater, or surface waters could entail acute and/or chronic ecological effects, depending on the quantity and concentration of such releases. Releases of volatile components to the atmosphere are not believed to entail significant ecological consequences provided such releases are within the exposure levels set forth in this document. Accordingly, all appropriate measures should be taken to avoid uncontrolled releases to the environment, and any spills or other uncontrolled releases which may occur should be contained and cleaned up immediately in accordance with Section 6.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

EPA hazardous waste number: D002: Corrosive.

14. TRANSPORT INFORMATION

U.S. Department of Transportation (49 CFR):

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

International Air Transportation (ICAO/IATA):

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

Water Transportation (IMO/IMDG):

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

Marine pollutant: None

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status:
TSCA 12 (b) Export Notification: All components are listed or are exempt from listing on the Toxic Substances Control Act inventory. Not available

CERCLA/SARA Section 302 EHS:
CERCLA/SARA Section 311/312:
CERCLA/SARA 313:

Immediate Health Hazard, Delayed Health Hazard
This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). 2-Butoxyethanol (CAS# 111-76-2).

California Proposition 65:
This product contains a chemical known to the State of California to cause cancer. Silica, Quartz (CAS# 14808-60-7).

Canada Regulatory Information

CEPA DSL/NDSL Status:
WHIMIS hazard class:

Please contact Health and Regulatory Affairs for more information. D.2.B

Item No.: 75448

Product name: Extend Rust Treatment
This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

Prepared by: Lou Fabrizio, Senior Health & Regulatory Affairs Specialist

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